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(54) SLIDE DEVICE INCORPORATING MOVING COIL
LINEAR MOTOR

installation of the device 1 apparatus or works.

(57) Abstract:

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PROBLEM TO BE SOLVED: To obtain a slide device, that is compact and easy to mount onto apparatus and works with a moving coil linear motor incorporated, in which the moving coil linear motor is built in a direct-acting guide unit provided with a track rail and a slider.

SOLUTION: In a direct-acting guide unit 10, provided with a track rail 11 and a slider 12 that slides in the longitudinal direction of the track rail 11, a linear motor 80 is provided between the negative side sidewall of the track rail 11 and the slider 12. The linear motor 80 is made up of a stator 82 comprising a magnet yoke 83 and a field magnet 84, and a moving coil assembly 81 attached to the sidewall of the mounting base 6 of the slider 12. The linear motor 80 built compactly in a direct-acting guide unit 10 simplifies the structure of a slide device 1, thereby facilitating

